

Title (en)
IMAGE FORMING APPARATUS THAT ENSURES HIGHLY ACCURATE POSITIONING ON PHOTORECEPTOR DRUM OF PRIMARY TRANSFER ROLLER

Title (de)
BILDERZEUGUNGSVORRICHTUNG ZUR SICHERSTELLUNG DER HOCHGENAUEN POSITIONIERUNG AUF DER PHOTOREZEPTORTROMMEL EINER PRIMÄREN ÜBERTRAGUNGSWALZE

Title (fr)
APPAREIL DE FORMATION D'IMAGE ASSURANT UN POSITIONNEMENT TRÈS PRÉCIS SUR TAMBOUR PHOTORÉCEPTEUR DE ROULEAU DE TRANSFERT PRIMAIRE

Publication
EP 3163376 B1 20231129 (EN)

Application
EP 16195653 A 20161026

Priority
JP 2015213122 A 20151029

Abstract (en)
[origin: EP3163376A1] An image forming apparatus (1) includes an apparatus main body (11), a plurality of photoreceptor drums (20), a plurality of developing devices (23), a frame (10F), an intermediate transfer unit (14), a secondary transfer roller (26), first positioning portions (31, 32, 41, 42), and second positioning portions (51, 142B, 61, 142H). The secondary transfer roller (26) is adapted to form a secondary transfer nip portion with a first roller (142), where the toner images are transferred to a sheet. The first positioning portions (31, 32, 41, 42) are arranged at the intermediate transfer unit (14) and the frame (10F). The first positioning portions (31, 32, 41, 42) are adapted to position the intermediate transfer unit (14) in a second direction inside the apparatus main body (11). The second positioning portions (51, 142B, 61, 142H) are arranged at the intermediate transfer unit (14) and the apparatus main body (11). The second positioning portions (51, 142B, 61, 142H) are adapted to position a distal end side in the mounting direction of the intermediate transfer unit (14) in a third direction inside the apparatus main body (14). The third direction intersects with the first direction and the second direction.

IPC 8 full level
G03G 15/01 (2006.01); **G03G 15/16** (2006.01); **G03G 21/16** (2006.01)

CPC (source: CN EP US)
G03G 15/0189 (2013.01 - EP US); **G03G 15/1615** (2013.01 - EP US); **G03G 21/1619** (2013.01 - EP US); **G03G 21/1647** (2013.01 - CN EP US); **G03G 21/1671** (2013.01 - CN); **G03G 21/168** (2013.01 - CN); **G03G 2215/00012** (2013.01 - EP US); **G03G 2221/1654** (2013.01 - EP US)

Citation (examination)
• US 2013216260 A1 20130822 - KOGURE SEIICHI [JP], et al
• JP 2006151697 A 20060615 - RICOH KK
• JP 2013213902 A 20131017 - SHARP KK

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 3163376 A1 20170503; **EP 3163376 B1 20231129**; CN 106647206 A 20170510; JP 2017083706 A 20170518; JP 6406210 B2 20181017; US 2017123351 A1 20170504; US 9804537 B2 20171031

DOCDB simple family (application)
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